

**Bereskin & Parr**

Barristers and Solicitors Patent and Trade Mark Agents  
Practice Restricted to Intellectual Property Law

Applicant : Unisearch Associates Inc.  
Appl. No : 09/664,705  
Filed : September 19, 2000  
Title : METHOD AND APPARATUS FOR MONITORING TRACE  
CONSTITUENTS IN ATMOSPHERIC GASES, UTILIZING A LASER  
BEAM

Grp./A.U. : 2877  
Examiner : Richard Rosenberger

Docket No. : 8389-013

4/A  
G. Stanley  
8-7-01

Honorable Commissioner of Patents  
Washington, D.C.  
20231

August 3, 2001

**AMENDMENT**

FAX COPY RECEIVED

AUG 3 2001

TECHNOLOGY CENTER 2800

Sir:

In response to the office action of May 9, 2001, please amend the above-identified application as follows:

**In the Title:**

Please replace the title with the following rewritten title:

—METHOD AND APPARATUS FOR MONITORING TRACE CONSTITUENTS IN  
ATMOSPHERIC GASES, UTILIZING A LASER BEAM—

**In the Specification:**

Please replace the paragraph beginning at page 4, line 22, with the following rewritten paragraph.

—In accordance with the present invention, there is provided an apparatus for remote detection of selected trace constituents in a fluid, for example in flue gases. The apparatus comprises.—

Please replace the paragraph beginning at page 5, line 9, with the following rewritten paragraph:

08/08/2001 JHEMILLA 00000003: 022005 09/664,705  
01 FC:203  
A2  
In one use of the apparatus of this invention the optical transmission means and the receiving means are mounted to a stack that discharges flue gases to the atmosphere. In particular, the transmission means and receiving means are mounted adjacent the top of the stack and on opposite sides of the stack, whereby the laser beam is transmitted through the flue gases discharged from the stack. The laser and detector means are then located in the enclosed area of the building, so as to be protected by that enclosed area. The transmission